16.6500

s/044/62/000/005/043/072

C111/C444

AUTHORS:

Nesterenko, A. I.; Koryepov, V. G.

TITLE:

On the numerical solution of integral equations by use of

elektronic digital machines

PERIODICAL:

Referativnyy zhurnal, Matematika, no. 5, 1962, 39,

abstract 5V190. ("Visnyk Kiyvs'k. un-tu," 1959, no. 2,

ser. astron., matem. ta mekhan., no. I, 111-123)

TEXT: The authors describe the basic theorems of the iteration method of G. N. Polozhiy (RZhMat 1958, 8913) for the solution of Fredholm integral equations, and they construct computing formulas for Fredholm equations of second kind with a degenerated symmetrical kernel and with an arbitrary real kernel. The obtained computing formulas are put into a program for the electronic digital machine "Strela". Two numerical examples are considered. A program is added.

Abstractor's note: Complete translation.

Card 1/1

KCR Nov, S. F.

Heating; textbook Moskva, Cos. izd-vo lit-ry po stroitel'stvu i arkhitekture, 1953.

Th76hl.K58

KCRYKHALOVA, YE. V.

Milking

How I obtained a high milk yield. Krest'ianka 31 no. 8, 1952.

9. Monthly List of Russian Accessions, Library of Congress, November 1958, Uncl.

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NRI AP7004569	SCURCE CODE:	UR/0056/65/049/005/14	24/1430
THOR: Suzdalev, I. P.; Ge	F danskiy, V. I. Makarov	Ye, F.; Plachinda, A	<u>. S.1</u>
rytko. L. A. G: Institute of Chemical			
SSSR) Wise Townshivetion of the	dynamics of the motion	of tin atoms at the	
rface of silica gel by med URCE: Zhurnal eksperimen	AF PRA MREENSHET WILL	•	
55, 1424-1430		tine chemiosorption	.
STRACT: The authors	uned the dynamics	of the motion of t	
oms sorbed on the sui	riace of allica bear	s. s All mensuremen	ts
the form of Sn-1, U	Analysis of the	erist in two stat	es
the tetravalent and	the Divatence Three	hability indicated	that
te tetravalent tin 18	I I XBU OII OIIO BUX Ab	entgamtion, Consi	derable
orption; and the biva	st nomponents was for	and In the spectrum	
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ACC NR. AP7004569

the tin sorbed on the surface in the form of SnO (surface chemisorption). It was found that the electric-field gradient at the Sn119 nucleus in SnO increases with an increase in temperature and significantly exceeds its value for the crystal state of SnO. The following were evaluated on the basis of the experimental findings: the absolute values of the mean square displacements of the SnO2 · N H2O molecule on the surface and of tin atoms within the molecule as a function of temperature; the zero-vibration energy of the tin atoms and molecules; the energy at which the bond between molecule and adsorption center on the globule surface lisappears; the absolute values of the mean square displacements of tin atoms in SnO molecules in a direction perpendicular or parallel to the surface, as well as their temperature dependence. The authors point out that by extrapolating the absolute values of the mean square displacements as a function of temperature it is also possible to obtain the displacement values at absolute zero temperature, and this in turn makes it possible to evaluate the corresponding vibration frequencies. The value of a temperature dependence such as the one obtained by the authors for physical sorption makes it possible in principle to find the form of the potential well for sorbed atoms or molecules. These questions will be considered by the authors in subsequent publications. The authors express their gratitude to I. Ye. Noymakr, V. M. Chertov, and I. Ye. Gersanov for their interest and sid in the experimental work, and to Yu. H. Kagan for his discussion of the results. [JPRS: SUB CODE: 07.20 / SUBM DATE: 08Jun65 / ORIG REF: 011 / OTH REF: 34,6577

KORYKO, Semen Kirillovich; SMOHODOV, P.V., red.; PETROVA, O.B., tekhn.red.

[In the North Atlantic; work practices of crew members of medium fishing trawler No.4461] V prostorakh Severnoi Atlantiki; opyt raboty ekipazha SRT no.4461. Petrozavodsk. Gos.izd-vo Karel'skoi ASSR, 1959. 24 p. (MIRA 12:10) (Atlantic Ocean-Trawls and trawling)

MARYLINSKI, W., doc. mer inz.; BACH, St., mgr inz.; KLUSKA, St., mgr inz.; SizemaCH, E., mgr inz.

Laboratory testing of electrodchydrates. Nafta Pol 18 no.9:248-250 S *62.

1. Akademia Gorniczo-Hutnicza, Krakow.

KISLOV, V.V.; ZAITOV, I.R.; LOBANOV, A.N., doktor tekhn. nauk, retsenzent; LEVCHUK, G.P., kand. tekhn. nauk, dots., retsenzent; DORDYUKOV, M.P., kend. tekhn. nauk, dots., retsenzent; KORYLOV, V.N., kand. tekhn. nauk, dots., retsenzent; KORYLOV, V.N., kand. tekhn. nauk, dots., retsenzent; KORYLOV, V.N., kand. tekhn. nauk, prof., red.

[Practical work in photogrammetry] Praktikum po fotogrammetril. Moskva, Nedra, 1965. 187 p.

(MIRA 18:6)

KORYN, E.

The installation of warm water in villages. p. 13.
(Budownictwo Wiejskie. Vol. 9, No. 7, July 1957. Warszawa, Poland)

SO: Monthly List of East European Accessions (EFAL) Lc. Vol. 6, No. 10, October 1957. Uncl.

Central heating in one-family houses.

p. 14, (Budowietwo Wekskie, Vol. 9, no. 10, Oct. 1957, Warszawa, Poland)

Monthly Index of East European Accessions (FFAI) LC. Vol. 7, no. 2,
February 1958

KORYHTA, Josef, dr. (Czechoslovakia)

Here is the Z+H expedition. Pt. 68. Auto motor 17 no.2: 7 21 Ja 164.

KORYNTA, Josef, dr. (Csehszlovakia)

Here is the $Z_{H}^{+}H$ expedition. Pt. 65. Auto motor 16 no.18: 8 21 S '63.

KORYNTA, Josef, dr.

Here is the Z+H expedition. Pt.67. Auto motor 16 no.22: 7 21 N *163.

KORYNTA, Josef, dr. (Csehszlovakia)

Here is the 2+H excedition, Pt.71. Auto motor 17 no.1717 6 S '64.

KORYNTA, Josel, MUDr.

Simplified anesthesia with diparcol. Rozhl. chir. 36 no.2:116-118 Feb 57.

1. Chirurgicke oddeleni CUNZ v Litomericich, primer MUDr R. Spelina. (MUSCLE RELAXANES.

disthezine premedication in anesth. (Cz))

disthezine premedication (Cz))

KORYNTA, Josef

The use of fluothene in orthopedic surgery. Acta chir.orthop. traum.cech. 28 no.3:238-240 Je 161.

1. I.klinika pro ortopedickou a detskou chirurgii v Praze, prednosta prof. dr. M. Jaros.

(ORTHOPEDICS anesth. & analgesia) (ANESTHETICS)

purpose computers and I/O systems are described: 1) The small-size "Mir" computer developed at the Institute of Cybernetics AN SSSR is intended for solution of scientific and engineering problems. No special programming capability is required to operate this machine. The input unit (an electric typewriter) accepts instructions

Cord 1/6 APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R00082502000

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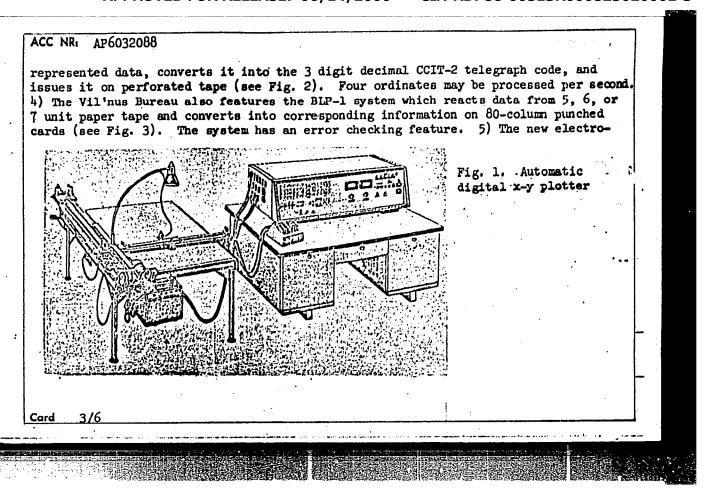
CIA-RDP86-00513R000825020001-3

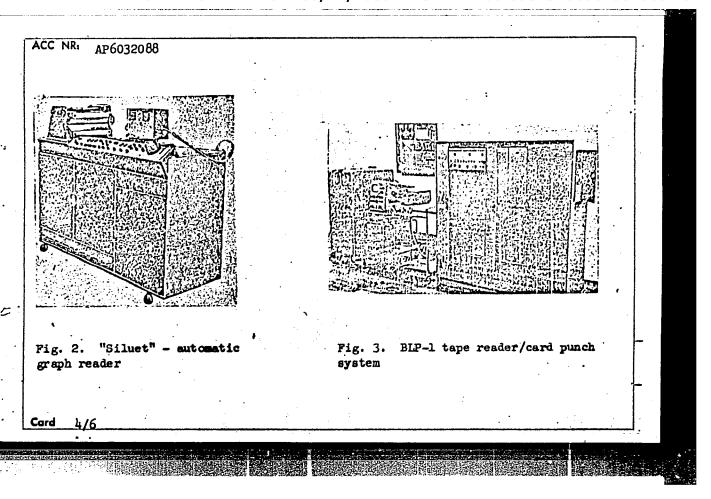
ACC	NRi	AP6032088

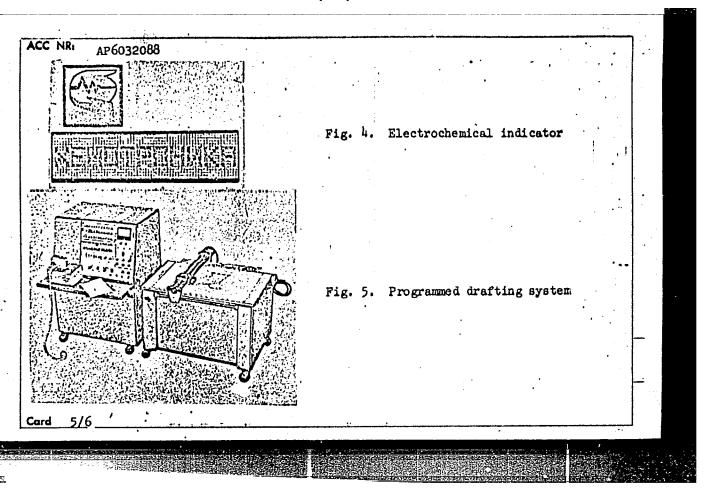
1/0	Input speed	Output speed
Punched card Perforated tape Typewriter Alphanumeric printing Mechanism BPM-20 printed	250 lines/min 800 characters/sec 7 ch/sec	100 cards/min 20 lines/sec 7 ch./sec 400 lines/min 20 words/sec

in formula format. The output is a wide carriage typewriter whose printing speed is 5—7 characters/sec. The computer arithmetic unit is based on 5 digit described number representation; its speed is 200—300 op./sec. The computer has a 12-bit 4096 word core memory. Its power consumption is 1 kw. 2) The digital x-y plotter designed at the Riga Central Design and Planning Bureau of Mechanics and Automation is capable of plotting 1100 points/hr on the board 1.1 m long and 0.8 m wide (see Fig. 1). The plotter accepts input from a keyboard (separate unit), punched cards, perforated tape, or directly from a computer. 3) The "Siluet" system developed at the Independent Pesign and Planning Bureau in Vil'nus. The system reads graphically in the Independent Pesign and Planning Bureau in Vil'nus. The system reads graphically in the Independent Pesign and Planning Bureau in Vil'nus.

Card 2/6







Modernization of the SEK-1 tower crane. Prom.stroi. i inzh.soor.
3 no.2:56 Mr-Ap *61. (MIRA 15:3)

(Cranes, derricks, etc.)

RORYSTENSKAYA, G.P. (Kiyev)

Preparation for surgery and use of biological hemostatics in pediatric tonsil surgery. Vrach.delo supplement '57:51-52

1. Ukrainskiy nauchno-issledovatel'skiy institut okhrany materiastva i detstva (nauchnye rukovoditeli: prof. L.A.Zaritskiy i kand.biol.nauk Z.Ye.Babich)

(TONSILS-SURGERY)

KORYSTENSKAYA, G. P.: Master Med Sci (dise) -- "The prophylaxis of hemorrhage in operations on the tonsils of children". Odessa, 1958. 18 pp (Odessa State Med Inst im N. I. Pirogov), 200 copies (KL, No 2, 1959, 125)

KORYSTENSKAYA, G.P.

Preventing hemorrhage in tonsil surgery in children. Vest.oto.
-rin. 20 no.3:104-105 My-Je 158 (MIRA 11:6)

1. Iz Ukrainskogo nauchno-issledovatel skogo instituta okhrany materinetva i detstva. Kiyev.

(TONSILS-SURGERY)

KURILIN, I.A., dotsent; TSIPENYUK, Ye.Ye., fizioterapevt; KORKSTENSKAYA, G.P. kand med nauk

Epicutaneous anesthesia using A.P. Parfenov's solution by means of electrophoresis in tonsillectomy. Vrach. delo no. 3:97-99 (MIRA 14:4)

1. Otdeleniye bolezney ukha, gorla i nosa (zav. - dotsent I.A. Kurilin) Kiyevskoy gorodskoy detskoy spetsializirovannoy klinicheskoy bol nitsy.
(LOCAL ANESTHESIA) (ELECTROPHORESIS)

(TONSILS—SURGERY)

VINNIK, Nikolay Iosifovich; KORYSTIN, Lev Nikolayevich; PETROPOL'SKAYA, O.A., red.

[Compressed wood dimensions of the Borovichi Forest Industries; methodological handbook on their utilization] Pressovannye zagotovki Borovichskogo lespromkhoza; metodicheskoe rukovodstvo po ispol*zovaniiu. Voronezh, TSentral*no-Chernozemnoe knizhnoe izd-vo, 1964. 16 p. (MIRA 18:6)

KORYSTIN, P.V., MOISEYEV, A.S., VOL'F, A.S., NOVIK, I.V.

"Purification of Water in a Portable Ionite Filter," by I. V. Vol'?, A. S. Moiseyev, P. V. Korystin, and I. V. Novik, Vodos-nabzheniye i Sanitarnaya Tekhnika, No 12, Dec 56, pp 8-10

The article gives a brief history of the development of portable ionite filters for purification (elimination of salts and impurities) from water to render it potable, conducted by the All-Union Scientific Research Institute for Hydraulic Engineering and Sanitary Engineering Works, from 1950 to present.

The article also describes in detail the construction and characteristics of a portable ionite water filter developed in 1955 by the above institute in conjunction with the Novosibirsk Scientific Research Sanitary Institute, the filter being designed for the use of small groups under field conditions in areas of high mineral content.

The purified water output of the filter on a single charge of lonies is 250 liters when the galt dontent of the original water is less than 3 g/l. When the original salt concentration is 5-6 g/l, the fresh water output is reduced to 100-120 l.

The filtering unit itself is cylindrical in shape, the dimensions being one meter x 200 mm.

SUM. 1287

VOL'F, I.V.; KOZHEVNIKOV, A.V.; KORYSTIN, P.V.; YAROSH, P.P.

Simultaneous softening and deoxidation of water with a test filter under industrial conditions. Khim. i tekh. gor. slan. i prod. ikh perer. no.9:262-268 '60. (MIRA 15:6) (Feed water purification)

Sweet-fruit rowan tree. Biul. Glav. bot. sada no.50:97-99	163.
1. L'vovskiy sel'skokhozyaystvennyy institut.	(MIRA 17:1)
	. :
	* .

KORYSTKINA, V.Ye.; MOISEYEVA, Ye.V.; YAROVIKOVA, T.F.

Method of continuous processing of crude turpentine. Gidroliz. 1
lesokhim.prom. 17 no.8:29-30 64. (MIRA 18:1)

1. Verkhoturskiy lesokhimicheskiy zavod.

8/079/62/032/011/006/012 D204/D307

AUTHORS:

Ushenko, I.K., Rodova, F.Z., and Korystov, V.I.

TITLE:

Cyanine dyes containing unsaturated substituents. XI. Thiacarbocyanines containing dimethyl-, diphenyl,

and carboxyvinyl radicals in the benzothiazole ring

PERIODICAL:

Zhurnal obshchey khimii, v. 32, no. 11, 1962,

3650 - 3656

TEXT: Compounds

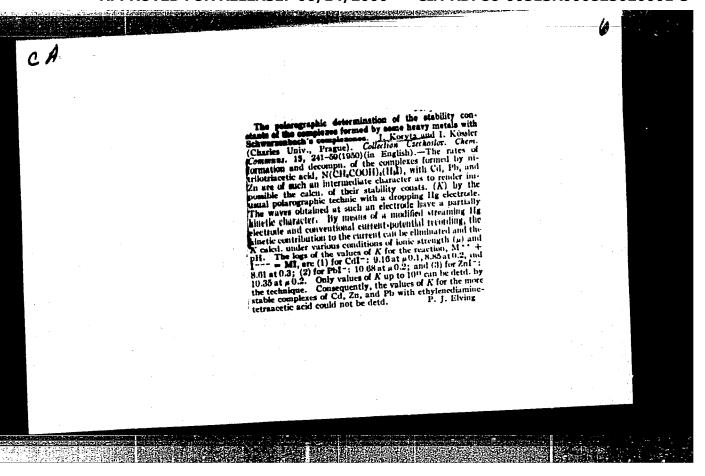
where R is I: HOOC.CH = CH in position 6; II: HOOC.CH = CH in position 5; III: HOOC. CHCl. CH_2 ; IV: CH_3OOC . CH = CH; V: $(CH_3)_2$ C = CH; VI: $(C_6H_5)_2$ C = CH; VII: C_6H_5 CH = C C_6H_5 , (substituents in III-VII in position 6), were prepared for the first time, in 5-70 % yields, I and II were synthesized by heating the corresponding 2-methyl-(5 Card 1/3

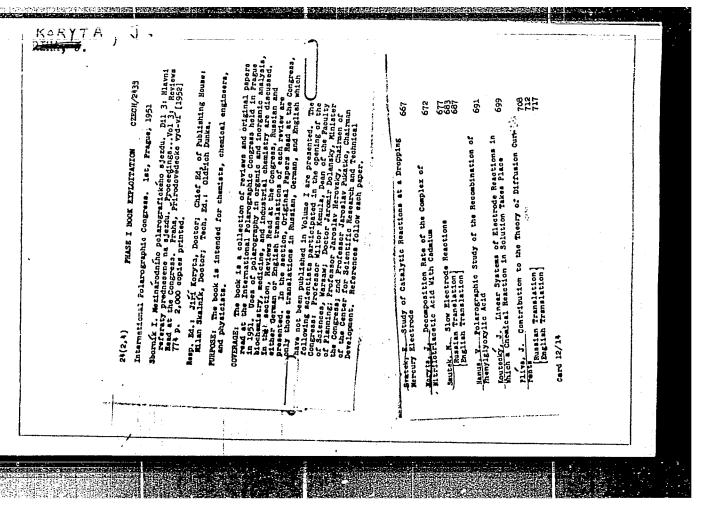
S/079/62/032/011/006/012 Cyanine dyes containing unsaturated ... D204/D307

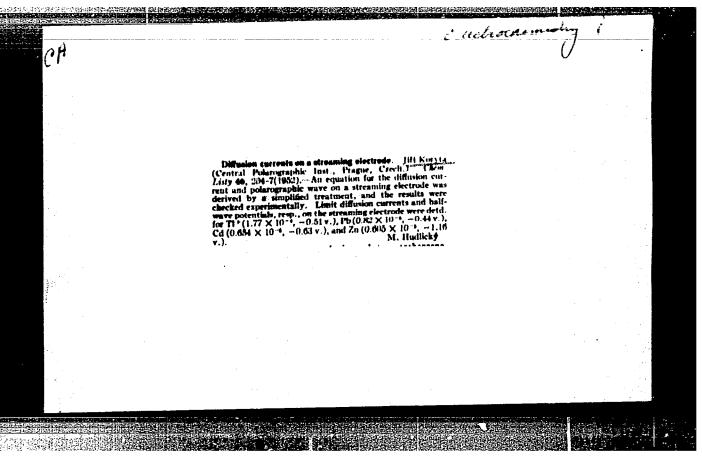
or 6)- β -cyanovinylbenzthiazoles with conc. HCl, for 4 hrs. at 100°C. IV was prepared by esterifying I in the usual way. Compound III resulted (together with I) from the heating of 2-methyl- δ -(β -chloro- β -cyanoethyl)-benzothiazole with conc. HCl. To prepare V, 2-methyl- δ -aminobenzothiazole was diazotized and reacted with β , β -dimethyl-acrylic acid/acetone/Na acetate/CuCl₂, at 20°C for 4 hrs. VI, VII and VIII (2-methyl- δ -[β -benzothiazolyl-(2)-vinyl]-benzothiazole) were prepared in a similar manner, using β , β -diphenylacrylic, α -phenylcinnamic and β -(2-benzothiazolyl)-acrylic acids. Uv spectra of these compounds showed conjugation of the heterocyclic rings and the unsaturated substituents. New compounds

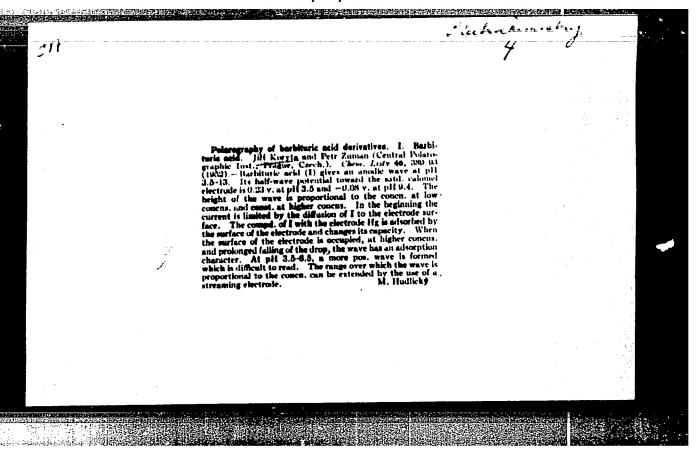
$$R \leftarrow \begin{array}{c} S \\ + \\ C_2H_5 \end{array}$$

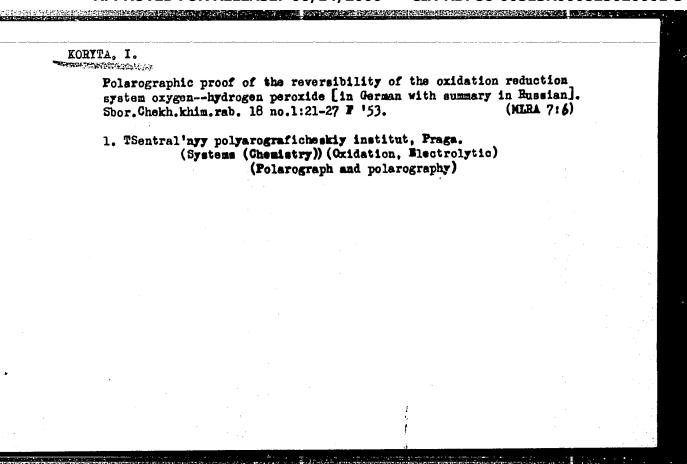
were also prepared, where R is IX: HOOC.CH = CH in positions 5; X: HOOC.CH = CH in positions 6; XI: CH₃COOCCH = CH; XII: HOOC.CHCl.CH₂Card 2/3











KORYTA, J.; ZUMAN, P.

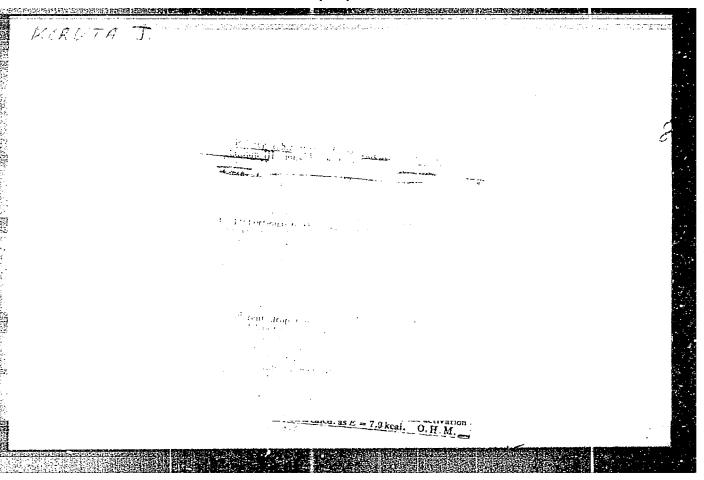
Polarography of barbituric acid derivatives. Part 1. Barbituric acid (in German with summary in Russian). Sbor. Chekh. khim. rab. 18 no.2: 197-205 ap '53. (MIRA 7:6)

1. TSentral'nyy polyarograficheskiy institut, Praga. (Barbituric acid) (Polarograph and polarography)

KORYTA, J.

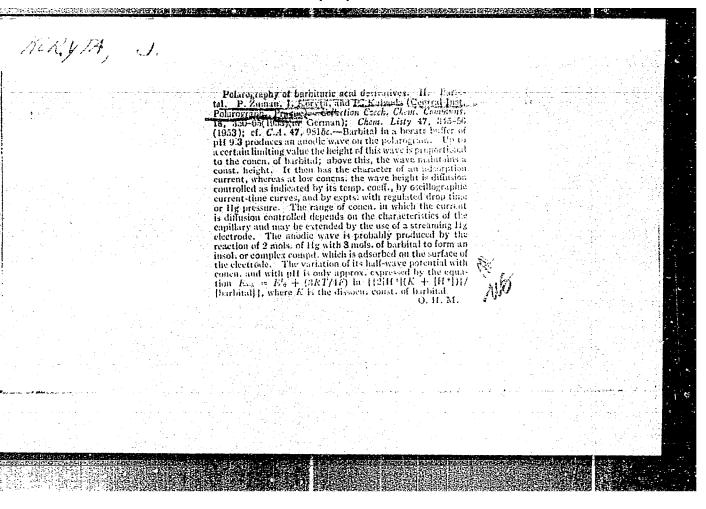
Effect of eosine dyes on the reversible oxidation reduction on mercury drop electrodes [in German with summary in Bussian]. Sbor. Chekh.khim. rab. 18 no.2:206-213 Ap '53, (MLRA 7:6)

1. TSentral'nyy polyarograficheskiy institut, Praga.
(Electrodes, Dropping mercury) (Hosins) (Reduction, Electrolytic)



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CIA-RDP86-00513R000825020001-3



MORYTA, J.

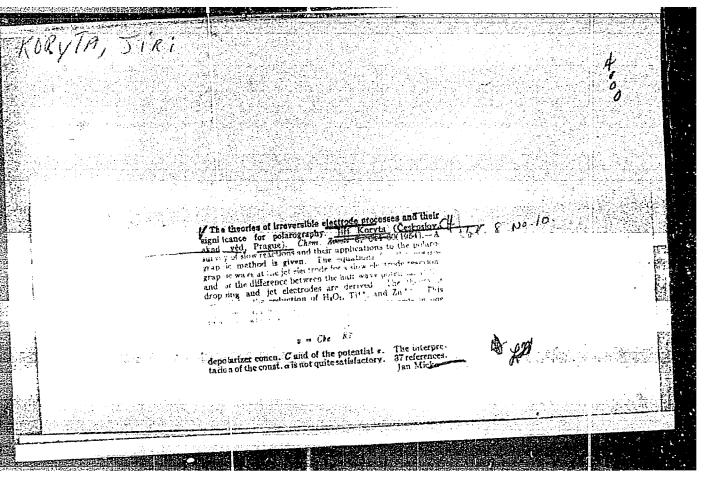
"Polarographic investigation of the kinetics of the oxidation of itianium by hydroxylamine."
Geskoslovenska Morfologie, Praha, Vol. 47, No. 1, Jan 1953, p. 26:
SO: Eastern European Accessions List, Vol. 3, No. 11, Nov. 1954, L.C.

KORYTA, J.

"The Effect of Dyes of the Eosin Group on Reversible Redox Reactions at the Dropping Mercury Electrode," p. 340. (Chemicke Listy, Vol.47, No.3, Mar. 1953; Praha.)

SO: Monthly List of East European Accessions, Vol.2, No.9, Literary of Congress, September,

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000825020001-3



"APPROVED FOR RELEASE: 06/14/2000

CIA-RDP86-00513R000825020001-3

KURYTA, Juri

"Diffusion and Kinetic Currents at the Streaming Mercury Electrode. In English."
p. 443 (COLLECTION OF CZECHOSLOVAK CHEMICAL COMMUNICATIONS. SBOWNIK CHEK-HOSLOVATSKIKH KHIMICHESKEKH RABOT, Vol. 19, No. 3, June 1954, Praha, Czechoslovukia)

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 4

No. 5, May 1955, Uncl.

Cent. Polarography Inch.

"APPROVED FOR RELEASE: 06/14/2000

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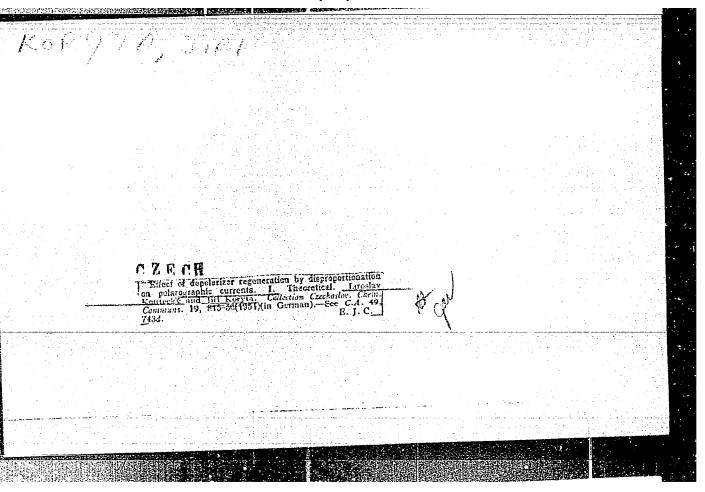
KORYTA, I.

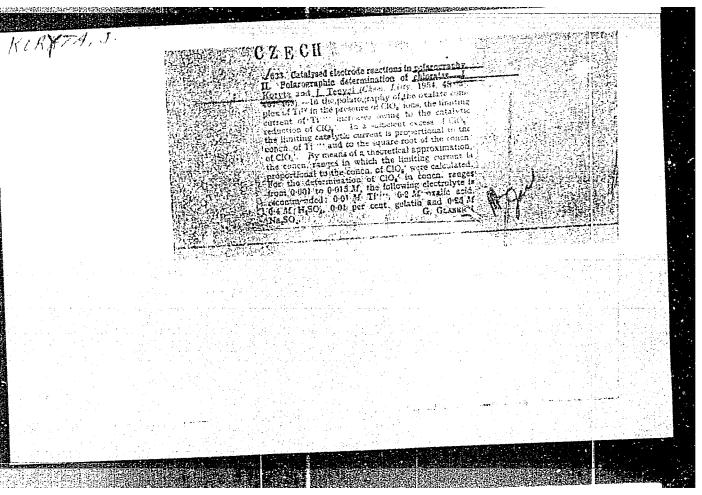
ECRYTA, I.

Catalyzed electrode reactions in polarography. III. Kinetics of exidation of triothanolacine countex of bivalent iron with hydroxylacine. n. (Collection of Czechoslovak Chemical Communication. Frana. Vol. 19, no. 4, Aug. 1954) (Collection of East SO: Monthly List of European Accession (EEAL), IC, Vol. 4, No. 6, June 1955, Uncl.

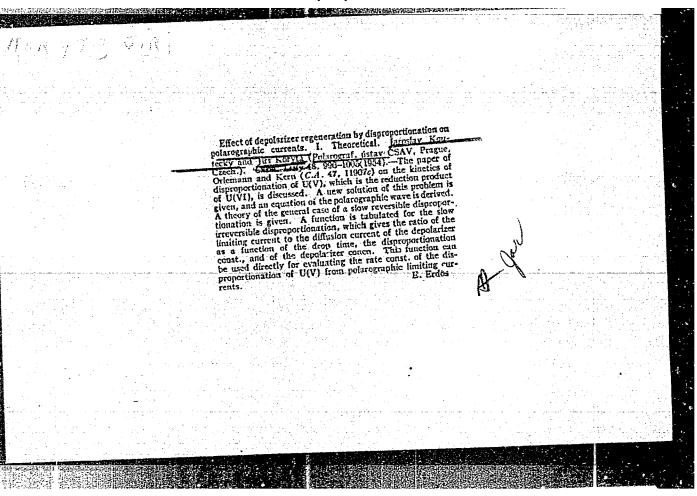
MCMYTA, J. ; TENYCL, J.

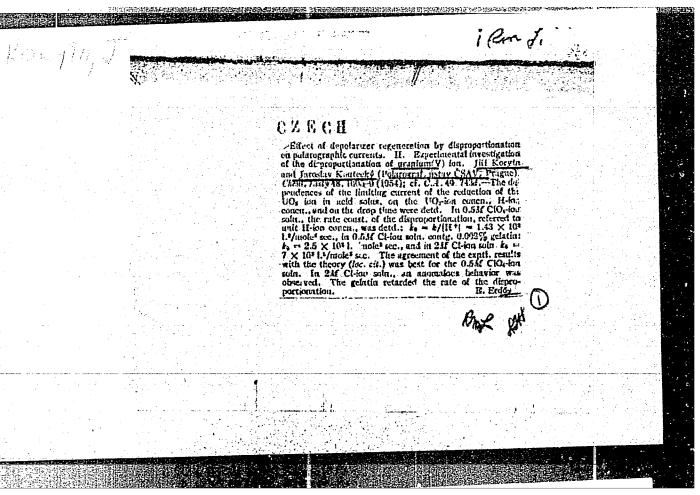
Catalyzed electrode reactions in polarography. I. Polarographic determination of chlorates. p. 639. (Collection of Czechoslovak Chemical Communication. Praha. Vol. 19, no. 4, Augl 1954) East SO: Monthly List of European Accession (LEAL), IC, Vol. 4, No. 6, June 1955, Uncl.

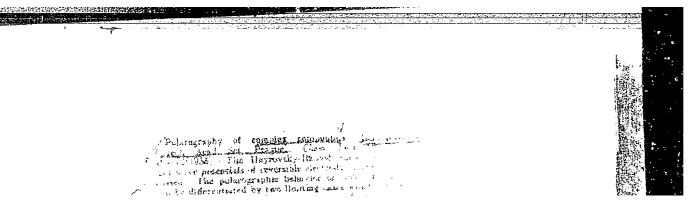




**Catalysed Electrode Reactions in Polarography. III Kinetics of the Oxidation of the Iron (II)-Triethanolamine Complex by Hydroxylamine. ", P. 514, (CHEMICKE LISTI, Vol. 48, No. 4, April 1954, Praha, Grech.) SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 4, No. 3, War 1955, Uncl.







KORYTA, J.

Constitution of inorganic substances and their polarographic behavior. p. 459. CHEMICKE ZVESTI. Bratislava. Vol. 9, no. 7, Sept. 1955.

SOURCE: East European Accessions List (EEAL), LC, Vol. 5, no. 3, March 1956

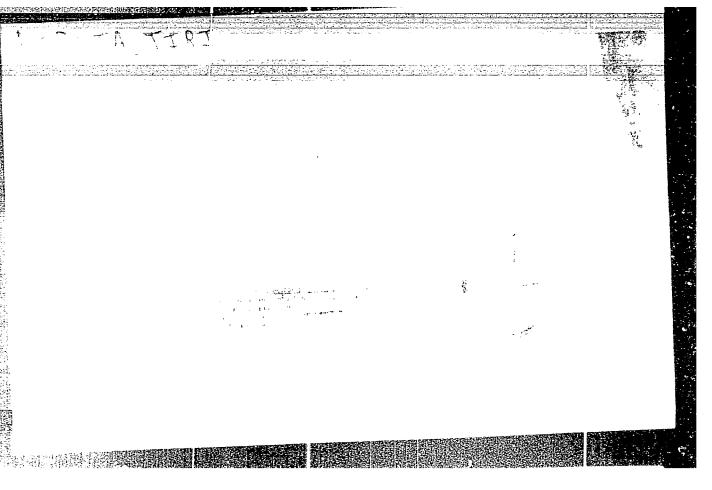
APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000825020001

KORYTA, J. KOUTECKY, J.

Effect of depolarizer regeneration by dismutation of polarographic currents. II Experimental studies of dismutation of the uranium (V) ion. In German. pl 430

Vol. 20, no. 2, Apr. 1955 SBORNIK CHEKHOSLOVATSKIKH KHIMICHESKIKH RABOT Praha, Czechoslovakia

So: Eastern European Accession Vol. 5, No. 4, April 1956



"APPROVED FOR RELEASE: 06/14/2000

CIA-RDP86-00513R000825020001-3

KORYTA, J.

Czechoslovakia/Physical Chemistry - Electrochemistry, B-12

Abst Journal: Referat Zhur - Khimiya, No 19, 1956, 61187

Author: Koryta, J.

Institution: Fone

Title: Catalytic Electrode Reactions in Polarography. V. Catalytic

Currents at Flowing Electrode

Original

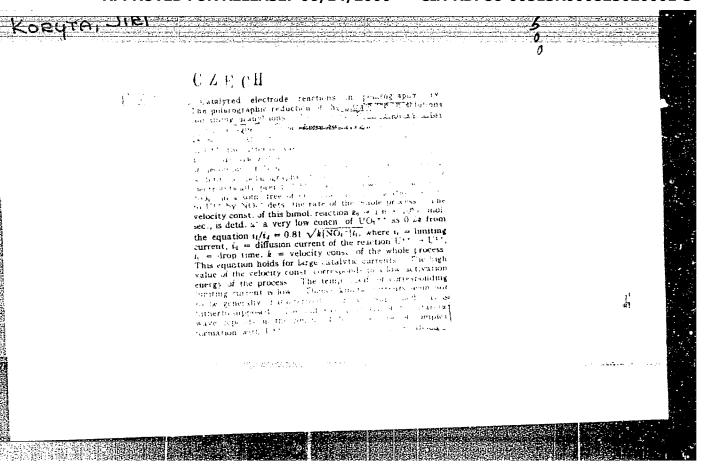
Periodical: Katalysierte Elektrodenreaktionen in der Polarographie. V.

Katalytische Stroeme an der Stroemenden Elektrode. Sb. chekhosl.

khim. rabot, 1955, 20, No 5, 1125-1130; German; Russian resumé

Abstract: See Referat Zhur - Khimiya, 1956, 15718

Card 1/1



KORTYA, J.

Catalyzed electrode reations in polarography. V. Catalytic currents on the mercury jet electrode. p. 485.

CESKOSIO ENSKY HORNIK. Praha, Czechoslovakia. Vol. 49, no. 2, 1955.

Monthly List of East European Accessions (EEAI), iC, Voll 9, no. 1. Jan. 1960.

Uncl.

KORYTA, J.

Czechoslovakia

J. KORYTA, (Prague), author of "Kinetics of the deposition of cadmium from cyanide complexes on mercury dropping and jet electrodes, "presented at the 4th EXECUTATION Conference, Moscow, 1-6 Oct. 1956.

Electrochemical

SOURCE: Program to the 4th Enternational Conference on Electrochemistry, Moscow, 1-6 Oct. 1956, Unclassified.

В

KORYTA, J.

HUNGARY / Physical Chemistry. Electrochemistry.

Abs Jour: Ref Zhur-Khimiya, No 17, 1958, 56888.

: Koryta, J. Author

: Polarography of Complex Compounds and Their Inst

Title Analytical Applications.

Orig Pub: Acta chim. acad. sci. Hung., 1956, 9, No 1 - 4,

363 - 373.

Abstract: Summary. The effect of complex formation on polarographic metal waves were described.

possible mechanisms of a number of complexes were considered, polarographic methods for the determination of complex instability constants and their dissociation rates have been analyzed.

The bibliography refers to 29 sources.

Card 1/1

KCRYT APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000825020003

A special case of the measurement of a deformation.

P. 233. (STAVBA.) (Bratislava, Czechoslovakia) Vol. 4, No. 8, Aug. 1957

SO: Monthly Index of East European Accession (EFAI) LC. Vol. 7, No. 5, 1958

KORYTA, J.

Electrochemical conference in Moscow.

P. 147 (Chemie, Vol 9, no. 1, Aprl 1957, Praha, Czechoslovakia)

Monthly Index of East Buropean Accessions (EFAI) LC. Vol. 7, no. 2 February 1958

CZECHOSLOV.KIA / Physical Chomistry. Electrochomistry.

B-12

APPROVED FOR RELEASE: 06/14/2000 CI CIA-RDP86-00513R000825020001

Luthor

: Jiri Koryta

Inst Title : Polarographic Mothods of Studying Mochanism of Motal

Soparation from Somo Complexos.

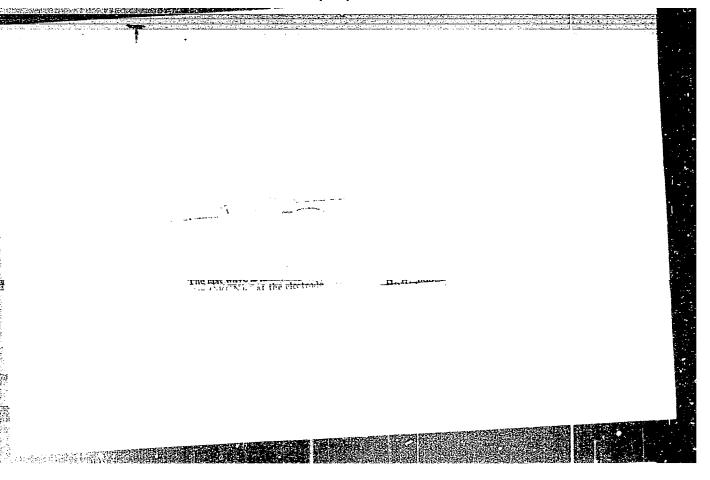
Orig Pub

: Chom. listy, 1957, 51, No 8, 1544 - 1546

Abstract

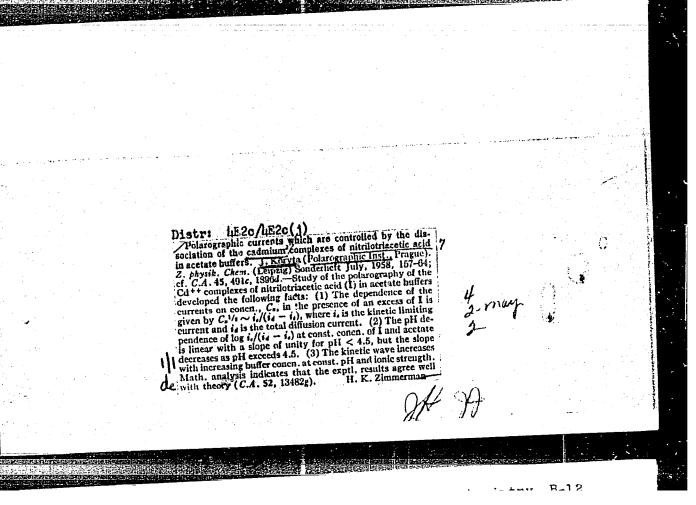
Rolations permitting to determine the composition of oloctrochomically roduced particles were derived for the case of complex compounds, in the solutions of which the oquilibrium is roached comparatively slowly. This composition is dotormined by the dependence of the current at a constant potential on the concentration of the complex producer or on the concentration of H+ ions. If the intonsity of the limiting current is determined by the disso-

Card 1/2



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CIA-RDP86-00513R000825020001-3



Electrochomis try. B-12 CZECHOSLOVAKIA / Physical Chomistry.

Abs Jour: Rof Zhur-Khimiya, No 7, 1959, 22682.

Author : Koryta, J.

: Kinctics of Electrode Processes in Polarography : Not givon. Inst with Participation of Complexes. I. Concerning Titlo: Somo Polarographic Methods of Dotormination of

Mochanism of Procipitation of Motals from Comp-

loxes.

Orig Pub: Collect. czechosl. cham. commun., 1958, 23, No 7,

1408-1411.

Abstract: See RZhKhim, 1958, 31891.

Card 1/1

CZECHOSLOVAKIA / Physical Chemistry. Electrochemistry. B-12

Abs Jour: Ref Zhur-Khimiya, No 23, 1958, 76830.

Author : Cizek, J., Koryta, J., and Koutecky, J.

: Not given. Inst : The Polarographic Current Determined by the Dissociation of an Electrically Neutral Com-Title pound with the Formation of an Electrically Active and an Electrically Neutral Substance.

Orig Pub: Chem Listy, 52, No 2, 201-213 (1958) (in Gzech).

Abstract: The value of the instantaneous current i and of the limiting diffusion current id have been calculated for the case when the complex alone is present in solution, which contains no complexing agent. The decomposition /dissociation of the complex (B) yields an electrically neutral complexing agent (C) and an electrically active

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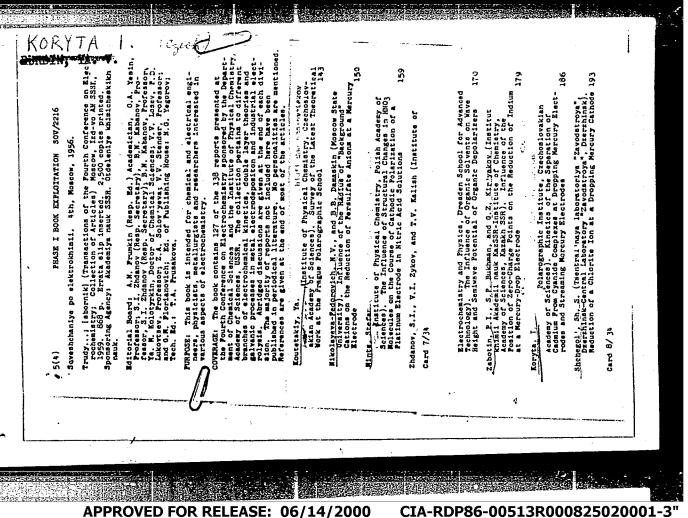
CIA-RDP86-00513R000825020001-3

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: CZECHOSLOVAKIA
          : Physical Chemistry. Electrochemistry
COUNTRY
CATEGORY
                           1960, No.617
          : RZKhim., No. 1
ABS. JOUR.
          : Koryta, J.
AUTHOR
          : Kinetics of Electrode Processes with Participa-
INST.
           tion of Complexes in Polarography. II. Determi-
TITLE
            nation of Stability Constants from Potentials
          : Chem. listy, 1958, 52, No 12, 2253-2266
ORIG. PUB.
           : An equation for the dependence between the shift
             El and stability constants, K, of complexes for
ABSTRACT
             kinetic currents which are limited by the rate
             of chemical reaction and correspond to the re-
             versible electrode process, is proposed. The
             application of this equation has been examined
             on the example of the complex of Cd (+2) with
             of Half-Waves of Kinetic Currents
              1/6
 CARD:
                                 B-39
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                                               CIA-RDP86-00513R00082502000
COUNTRY
CATEGORY
                                 1960, No. 617
               RZKhime, No. 1
ABS. JOUR.
AUTHOR
TNST.
 TITLE
              : nitrilotriacetic acid (I). In acetate buffer
 ORIG. PUB.
                 solutions, Cd (+2) in the presence of I gives
                 two polarographic waves. The more positive wave
  ABSTRACT
                 is reversible and corresponds to the discharge of the free hydrated ion Cd+2 or to the reduction of the acetate complexes of Cd (+2), which
  cont'd
                 are in equilibrium with the hydrated ions Gd+2.
                 The more negative wave corresponds to the di-
                 rect reduction of the complex of Gd (+2) with I
                  2/6
   CARD:
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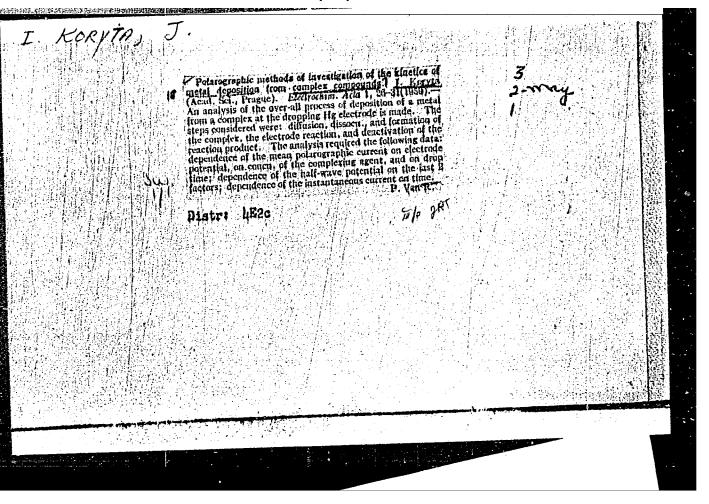
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CIA-RDP86-00513R000825020001-3



CZECH/8-59-12-1/15 Jiří Koryta
On Rates of Equilibrium Formation Between a Complex and 5.3700 (A) Presented on July 2, 1959 at a conference on inorganic chemistry in Bratislava PERIODICAL: Chemické listy, 1959, Nr 12, pp 1233-1238 5.2620 The author points to the marked interest in recent years of fast chemical reactions (Ref 1.2) AUTHOR: The author points to the marked interest in recent years are of fast chemical reactions (Ref 1,2). These reactions of fast chemical the velocity of the overall chemical mainly those where or last chemical reactions (Ref 1,2). These reactions as the chemical the velocity of the overall with very mainly those where quickly "linstantaneous" with very change occurs very quickly "linstantaneous". TITLE: mainly those where the velocity of the overall chemical with very change occurs very quickly These reactions in solution that activation energies which are unormall activation ionic. chemistry in Bratislava change occurs very quickly "instantaneous" with very processes which are informally are predominantly low velocities, fast reactions of ten play ie occurring with low velocities, are predominantly ionic. Even processes which are "normal", fast reactions often play velocities, intermediates. Intermediates an important role in relation forming. and bringing about conclusion on the reactions ABSTRACT: an important role in relation to intermediates, about forming, and bringing the two conclusion on the reactions throw some light on the two the dissociation. Conclusion on the reactions forming, and bringing about the dissociation, of complex throw some treation with divalent iron processes formulated above. formation with divalent tris a, a; dipyridyl complex complex of tris a, a; dipyridyl and also a similar complex of (cf Ref 3,4) and also a similar complex of (cf Ref 3,4) and also a similar complex of reaction is o-phenanthroline (cf Ref 5). The dipyridyl relation to then considered in more detail (n 1933) in relation o-phenanthroline (cf Ref 5). The dipyridyl reaction is the then considered in more detail (p 1233) in relation to the (cf Ref 3,4) and also a similar complex of Card 1/3 APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000825020001-3"

CIA-RDP86-00513R000825020001-3 "APPROVED FOR RELEASE: 06/14/2000

66906 CZECH/8-59-12-1/15 On Rates of Equilibrium Formation Between a Complex and its Components

kinetics of the complex formation. 7 Another way, which is basically analogous approach to research on the reaction involving complex formation, is the study of the velocity of the binding of one cation in a complex with a second cation. An effective polarographic method for the determination of the complexing constant is based on the measurement of the equilibrium state (Ref 6 to 9) and has been used specifically for the complexone type complexing agents (Ref 8) - see Eq (1). Fast (Ref 10,11), medium (Ref 8,9) and slow (Ref 8,9) reactions have been discovered. Eq (2a) to (2c) and Eq (3a) and (3b) are used to explain the more complex velocity equations given earlier on p 1234. Cu²⁺ and Pb²⁺ reactions are mentioned. Bjerrum et al (Ref 12) evaluated the velocities of established consecutive complex equilibria. The velocities of reactions not possessing zero activation energies fall with falling temperature. Table I gives values of velocity constants and activation energies in relation to complexes of nickelous and cupric ions with ethylenediamine. It is clear that the reaction velocity increases with the number of ligands. The problem of certain complexes giving several curves (Ref 13 to 16).

Card 2/3

B-12 Czechoslovakia YATEMBOD CATEGORY

1959, No. 85502 : RZKhim., No. AES. JOUR.

: Cizek, J.; Koryta, J.; Koutecky, J. AUTHOR

INST.

: Polarographic Current Resulting from Dissociation of an Electroinactive Compound TITLE

into an Electroactive and an Electroinactive*

: Collect. Czechosl. Chem. Communs, 1959, 24, ORIG. PUB.

No 3, 663-677: See RZhKhim, 1958, No 23, 76830. ABSTRACT

CARD:

* Substance.

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000825020001-KORYTA, J.

Kinetics of electrode processes of complexes in polarography. II. Determination of complexity constants from halfwave potentials of kinetic currents. In German. Coll.Cz.Chem. 24 no.9:2903-2918 S 59.

1. Polarographisches Institut, Tschechoslowakische Akademie der Wissenschaften, Prag. (Polarograph and polarography) (Electrodes) (Complex compounds)

KORYTA, J.

Kinetics of electrode processes of complexes in polarography. III.

Polarographic currents and dissociation reaction in complexes. In

German. Goll.Cs.Chem. 24 no.9:3057-3074 S *59. (ERAI 9:5)

1. Polarographisches Institut, Tschechoslowakische Akademie der Wissenschaften, Prag.
(Electrodes) (Polarograph and polarography) (Dissociation) (Complex compounds)

CIZEK, J.: KORTTA, J.: KOUTECHY, J.

Polarographic currents which are determined by the velocity of the formation of an electroactive substance from two electroinactive substances, none of which is in excess. Coll Cz chem 25 no.12:3844-3860 59. (EEAI 9:6)

 Institut fur physikalische Chemie, Tschechoslovakische Akademie der Wissenschaften, Prag. (Polarograph and polarography)

KCRYTA, J.

Academician Jaroslav Heyrovsky, the first Czecheslovak Nobel Prize winner. p. 563.

ELEKTROTECHNICKY OBZOR. (Minsterstvo tezkeho strojirenstvi a Ceskoslovenske vedecka technicka spolecnost pro elek trotechniku pri Ceskoslovenske akademii ved) Praha, Czechoslovakia. Vol. 48, no. 11, Nov. 1959.

Monthly list of East European Accessions (EEAI) LC, vol. 9, no. 1, Jan. 1960.

Uncl.

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000825020001-3

KORYTA, J

"J. Kubes's <u>Calvanicke clanky a akumolatory</u> (<u>Calvanic Batteries and Accumulators</u>); a book review"

Chemicke Listy. Praha, Czechożlovakia. Vol. 53, no. 1, Jan 1959

Monthly list of East European Accessions (EEAI), LC, Vol. 8, No. 6, Jun 1959, Unclas

KORYTA J.

PHASE I BOOK EXPLOITATION

80V/4784

- Přibil, Rudolf, Doctor of Chemical Sciences, State Prize Winner, and Jiři Koryta, Doctor
- Kompleksony v khimicheskom analize (Complexons In Chemical Analysis) 2d ed., rev. and enl. Moscow, Izd-vo inostr. Lit-ry, 1960. 580 p. No. of copies printed not given. [Translated from the Czech]
- Translator: Yu. I. Vaynshteyn, Candidate of Technical Sciences
- Ed. (Title page): Yu. Yu. Lur'ye, Doctor of Chemical Sciences; Ed. (Inside book): V. A. Zakhar'yevskiy; Tech. Ed.: S. V. Pridantseva.
- PURPOSE: This book is intended for chemists and analysts in research institutes and plant laboratories.
- COVERAGE: The book discusses the theory and practice of the application of complexons in analytical chemistry, and deals in detail with the theory of complexons, the structure of forming complexes, as well as methods for determining the stability constants of these complexes. The author describes in

Card 1/41

Kinetics of electrode processes of complex compounds in polarography. VI. Separation of a complex with nitrilotriacetic acid. Coll Cz Chem 25 no.1:38-46 Ja *60. (EEAI 9:12) 1. Institut fur anorganische Chemie, Universitat Wroclaw, Polen (for Blernat). 2. Polarographisches Institut, Tschechoslovakische Akademie der Wissenschaften, Prag. (for Koryta) (Electrodes) (Polarograph and polarography) (Manganese) (Nitrilotriacetic acid) (Complex compounds)

KORYTA, J.; ZABRANSKY, Z.

Kinetics of electrode processes of complexes in polarography. VII. Formation of the complex of cadmium ion with the ethylenediamine-tetraacetic acid as a reaction deactivating the product of rapid electrode reaction. Coll Cs Chem 25 no.12:3153-3158 D 160.

(EEAI 10:9)

1. Polarographic Institute and Institute of Metallurgy, Czechoslovak Academy of Science, Prague.

(Electrodes) (Ions) (Polarograph and polarography) (Cadmium) (Ethylenedinitrilotetraacetic acid)

2/008/60/054/012/002/004 E073/E335

AUTHOR:

Koryta, Jiří

TITLE:

Polarography as a Method of Studying the Kinetics of

Electrode Processes

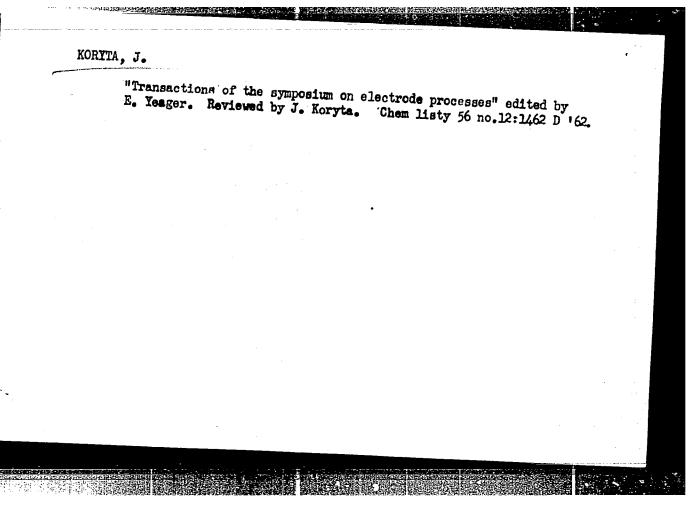
Chemicke listy, 1960, Vol. 54, No. 12, PERIODICAL: pp. 1228 - 1236

This paper was written to commemorate the seventieth birthday of Academician J. Heyrovský. The author gives a very general review on the subject. The kinetics of the electrode process was studied polarographically on the basis of the dependence of the instantaneous current intensity on time and on the basis of the dependence of the current intensity on the potential. The absolute value of the diffusion limiting current is important since it enables determining or evaluating the number of elementary charges consumed in the electrode reaction. Further criteria are the dependence of the current intensity in the case of a constant potential or a constant current intensity on the composition of the solution and the

Card 1/2

Galvanic fuel cell. Chem prum 12 no.4:188-192 Ap 162.

1. Polarograficky ustav, Ceskoslovenska akademie ved, Praha.

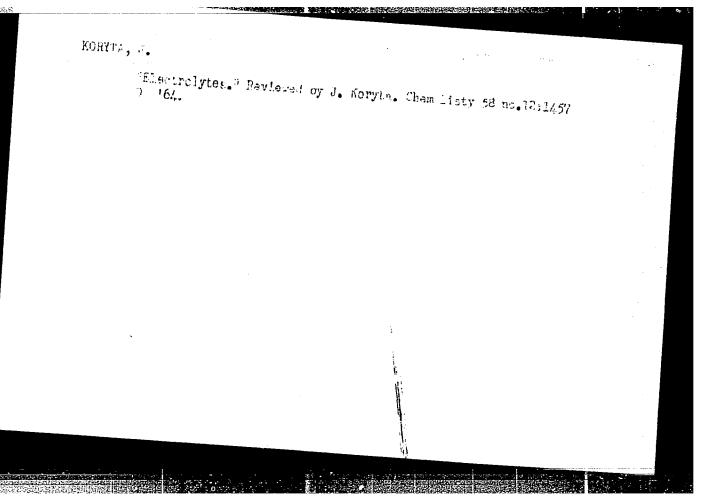


VAVRICKA, S.; KORYTA, J.

CONTRACTOR OF THE PROPERTY OF

Determination of kinetic parameters of discharge reactions on the ground of polarographic curves. Coll Cz Chem 29 no.10:2551-2555 0 '64.

1. Institut für physikalische Chemie, Karlsuniversität, sad Pelarographisches Institut, Tscheeloslowakische Akademie der Wissenschaften, Prague.



APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000825020001-3"

"APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R000825020001-3

BLANA, K.; GUT, J.; KORYTA, J.; KRAUS, M.

Czechoslovak chemistry in the years 1945-1965. Chem listy
59 no.5:521-532 My '65.

CELCHOSLOVARIA

HOLUB, K.; KORYTA, J.

J.Heyrovsky Institute of Polarography, Gzechoslovak Academy of Sciences, Prague - (for both).

Prague, Collection of Crechoslovek Chemical Communications, No 11, November 1965, pp 5785-3797.

"Surface reaction of adsorbed substance transported by diffusion to a plane electrode."

APPROVED FOR RELEASE: 06/14/2000 CIA-RDP86-00513R00082502000

KUTA, J., KORTTA, J.

The J. Heyrovsky Institute of Pelargraphy, Czechoslovak Academy of Sciences, Prague - (for both).

Prague, Collection of Cascheslovak Chemical Communications, No 12, December 1965, pp 4095-4110

"Reduction of enygen at the mercury electrode." (Terthe 75th birthday of Academician J. Heyrovsky).

CZECHOSLOVAKIA

EUTA, J.; KORTTA, J.

J. Heyrovsky Institute of Pelaregraphy, Csechoslovak Academy of Sciences, Prague (for both)

Prague, Collection of Caschoslovak Chemical Communications, No 12, Dec 1965, pp 4095-4111.

"Reduction of anygen at the mercury electrode."

KORYIA J

CHICINGLOVALLA

ADMITTACKO, R. D.; PLEISCHMANN, N.; KONTTA, J.

1. Boyt, of Hysical Chamistry, Univ. of Howastle-upun-Tyne, England (for all); 2. J. Hayrovsky Palaragraphic Institute, Geochemistah Academy of Sciences, Progne (for Keryta)

Frague, Collection of Creekeslevek Chemical Communications, $N_{\rm c}$ 12, Dec 1965, pp 4342-4346

"Anodie pelarographie waves involving insoluble servery salt formation."

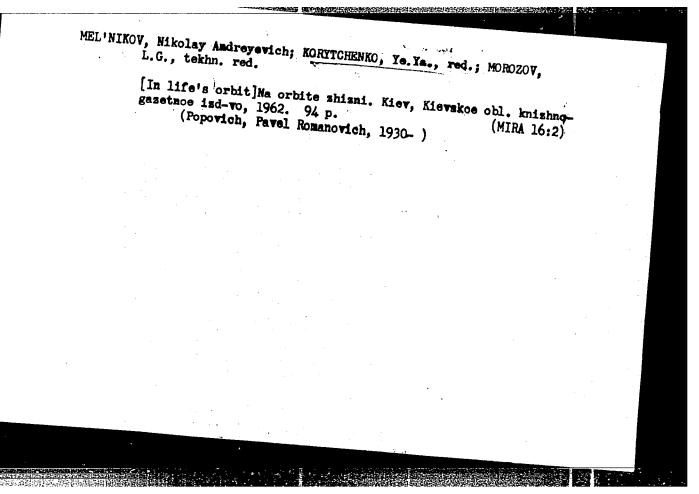
CZECHOSLOVAKIA

VAVRICKA, 3; HENEC, L; RORYTA, J.

1.Department of Physical Chemistry, Earlova University, Prague: (For t): 2. J. Heyroveky Institute of Polargraphy, Gsechoslovak Academy of Sciences, Prague (for t).

Frague, Collection of Casabeslovak Chemical Communications.

"The influence of adsorption of tetrabutylammonium don on the structure of the mercury-water interface."



KORYCINSKI, Marian, mgr inz.

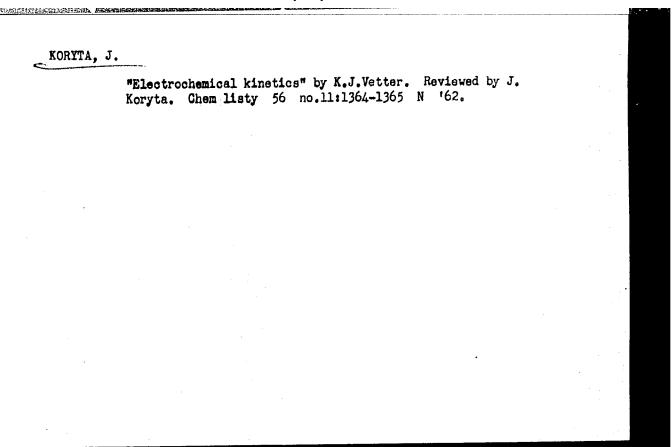
Automation of centerless and surface grinders. Mechanik 35 no.10:544-547 0 162.

1. Zaklady Mechaniczne im. J. Strzelczyka, Lodz.

KORYCKI, Leszek

Effects of the revolving parts upon the work of the lathe. Przegl włokien 16 no.11:579-585 N '62.

1. Politechnika, Lodz.



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KORYTHKOWSKI, J.

Economical effectiveess of investement costs in the chemical industry.

p. 16, (Przeglad Chimiczny. Vol.12k no. 1, Jan. 1956, Warszawa, Poland)

Monthly Index of East European Accessions (EFAI) LC. Vol. 7kmo. 2, FEbruary 1958

NIKITIH, A. (Leningrad); KORYTIN, A. (Leningrad); KAGANOV, L., korrespondent (Leningrad)

With full realization of our duty. Prom. koop. 12 no.8:12 Ag '58. (MIRA 11:9)

1.Reydovaya brigada shurnala "Promyslovaya kooperatsiya." 2.Predsedatel' revisionnoy komissii artali "Remmashprom" (for Nikitin). 3.Sekretar partiynoy organizatsii artel "Remmashprom" (for Korytin). (Cooperative societies) (Machinery)

GUSEV, S.A., inzh.; ZHUKHOVITSKIY, B.Ya., kand. tekhn. nauk; ZARIN, D.D., kand.tekhn.nauk; IVANOV-SMOLENSKIY, A.V., kand.tekhn.nauk; KHYAZZVSKIY, B.A., kand.tekhn.nauk; KUZNETSOV, A.I., inzh.; KOZIS, V.L., kand. tekhn.nauk; KORYTIN, A.A., inzh.; LASHKOV, F.P., insh.; L'VOV, Ye.L., kand.tekhn.nauk; MKLESHKINA, L.P., kand.tekhn.nauk; NATRASOVA, N.M., kand.tekhn.nauk; NIKULIN. N.V., kand.tekhn.nauk; POLKVOY, V.A., kand.tekhnicheskikh nauk; RAZEVIG, D.V., kand.tekhn.nauk; ROZANOV, G.M., kand.tekhn. nauk; RUMSHISKIY, L.Z., kand.fis.-matem.nauk; SVISTOV, N.K., kand.tekhn.nauk; SIROTINSKIY, Ye.L., kand.tekhn.nauk; SOKOLOV, M.M., kand.tekhn.nauk; TALITSKIY, A.V., prof.; TREMBACH, V.V., ingh.; FEDOROV, A.A., kand.tekhn.nauk; GRUDINSKIY, P.G., prof.; PRITKOV, V.T., kand.tekhn.neuk; CHILIKIN, M.G., prof., glavnyy red.; GOLOVAN, A.T., prof., red.; PMTROV, G.N., prof., red.; FEDOSETEV, A.M., prof., red.; ANTIK, I.V., red.; SKYORTSOV, I.M., tekhn.red.

[Handbook for electric engineering] Elektrotekhnicheskii spravochnik. Moskva, Gos.energ.izd-vo, 1952. 640 p. (MIRA 13:2)

 Prepodavateli Moskovskogo energeticheskogo instituta imeni V.M. Molotova (for all except Antik, Skvortsov). (Electric engineering)

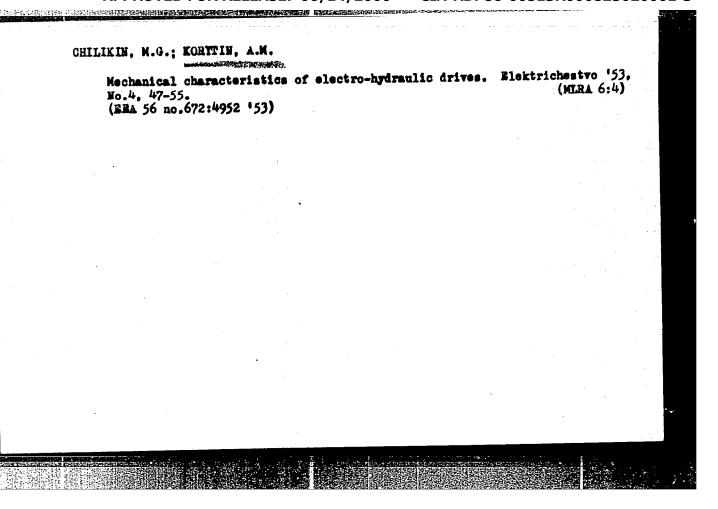
BACHURIN, N.I., inzh.; VOLKOV, S.S., inzh.; GORODETSKIY, S.S., prof., doktor tekhn. nauk; GUSEV, S.A., dotsent, kand. tekhn. nauk; ZHUKHOVITSKIY, B.Ya., dots., kand. tekhn. nauk; KIFER, I.I., dots., kand. tekhn. nauk; KORYTIN, A.A., starshiy prepodavatel; KULIKOV, F.V., dots.; NIKULIN, N.V., dots., kand. tekhn. nauk; PODMAR'KOV, A.N., dots.; PRIVEZENTSEV, V.A., prof., doktor tekhn. nauk; RUMSHINSKIY, L.A., dots., kand. fiz.-mat. nauk; SOBOLEV, V.D., dots., kand. tekhn. nauk; URLAPOVA, M.N., inzh.; TIKHOMIROV, P.M., dots., kand. tekhn. nauk; FEDOROV, A.A., dots., kand. tekhn. nauk; CHUNIKHIN, A.A., dots., prof., prof., p

[Electrical engineering handbook] Elektrotekhnicheskii spravochnik. 3., perer. i dop. izd. Pod obshchei red. A.T. Golovana i dr. Moskva, Gosenergoizdat. Vol.1. 1962. 732 p. (MIRA 15:10)

1. Moskovskiy energeticheskiy institut (for Golovan, Grudinskiy, Petrov, Fedoseyev, Chilikin, Antik).
(Electric engineering-Handbooks, manuals, etc.)

KORYTIN, A. M. -- "Investigation of Hydroelectric Power Lines." Sub 24 Oct 52, Moscow Order of Lenin Power Engineering Inst imeni V. M. Molotov. (Dissertation for Degree of Candidate in Technical Sciences).

SO: Vechernaya Moskva, January-December 1952



CHILIKIN, M.G., professor (Moscow); KORYTIN, A.M., kandidat tekhnicheskikh nauk (Moscow).

Some problems of the dynamics of electro-hydraulic drives. Elektrichestvo (MLRA 6:11) no.12:40-43 D 53. (Electric driving)

CHILIKIN, M.G., professor; KORYTIN, A.W., kandidat tekhnicheskikh nauk.

Power engineering of hydroelectric drives. Elektrichestvo no.5:27-29
My '54. (MLRA 7:6)

1. Moskovskiy energeticheskiy institut im. Molotova.

(Hydroelectric power)